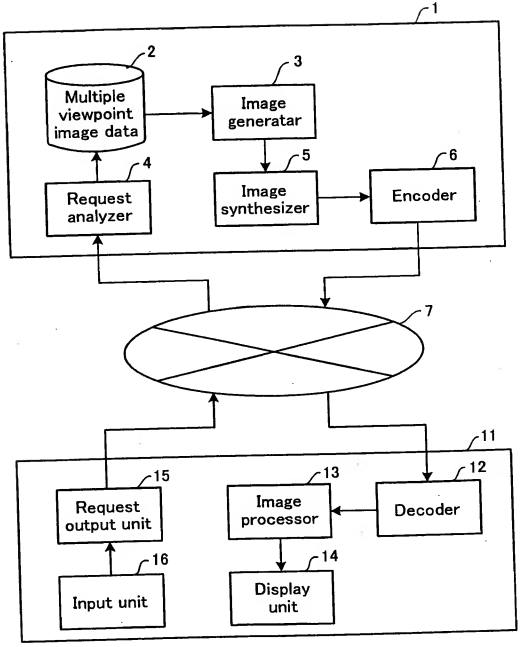
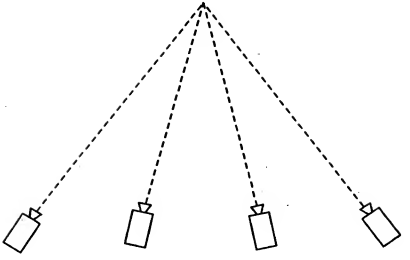
FIG. 1

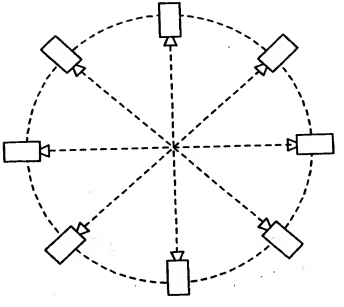


AMENDED SHEETS

FIG. 2

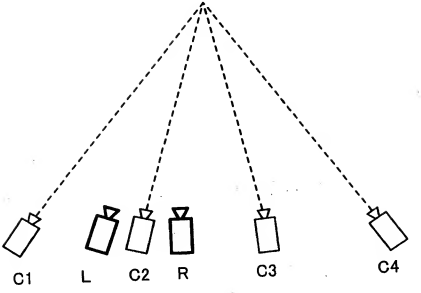


(a)

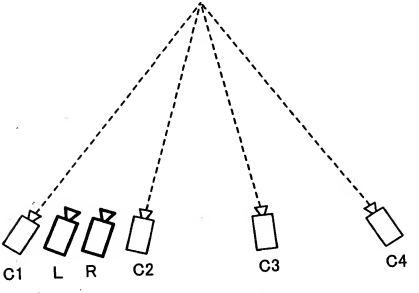


(b)

FIG. 3



(a)



(b)

FIG. 4

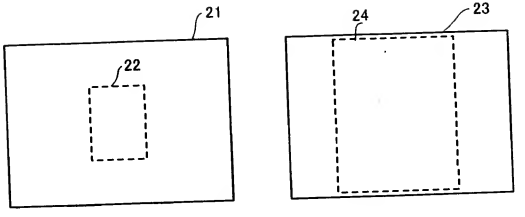


FIG. 5

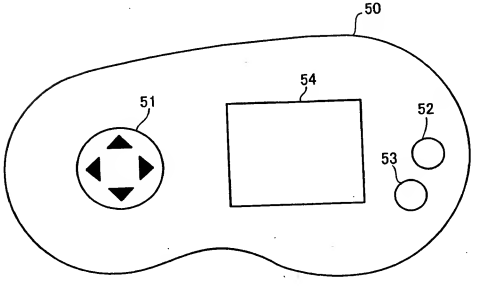
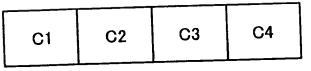
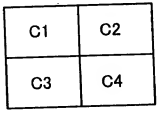


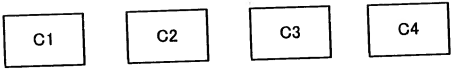
FIG. 6



(a)

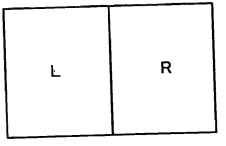


(b)

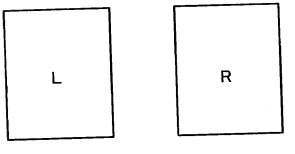


(c)

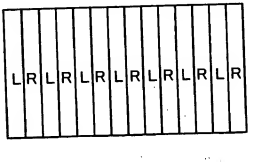
FIG. 7



(a)

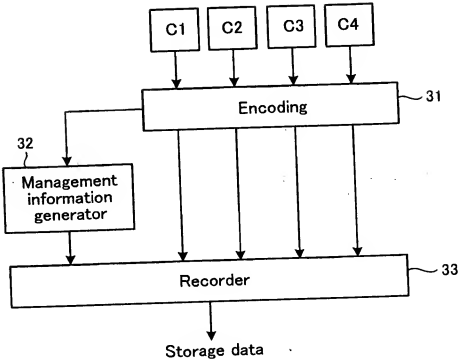


(b)

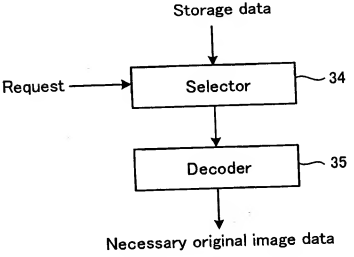


(c)

FIG. 8


C1
C2
C3
C4
Encoding
31
32
Management information generator
Recorder
33
Storage data

(a)


Storage data
Request
Selector
34
Decoder
35
Necessary original image data

(b)

FIG. 9

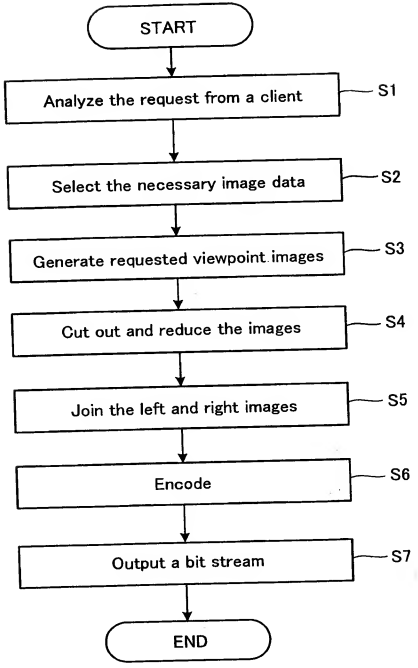

START
Analyze the request from a client
S1
Select the necessary image data
S2
Generate requested viewpoint images
S3
Cut out and reduce the images
S4
Join the left and right images
S5
Encode
S6
Output a bit stream
S7
END

FIG. 10

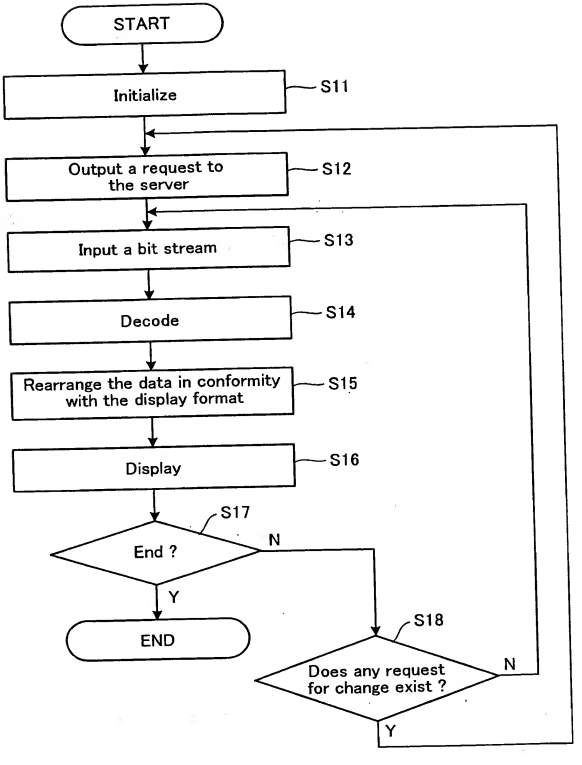

START
Initialize
S11
Output a request to the server
S12
Input a bit stream
S13
Decode
S14
Rearrange the data in conformity with the display format
S15
Display
S16
S17
End ?
N
Y
END
S18
Does any request for change exist ?
N
Y

FIG. 11

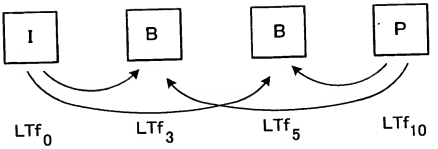


FIG. 12

Management information	C1	C2	C3	...

FIG. 13

	Number of bytes from the front	Pointer to random access table
C1	B1	P1
C2	B2	P2
C3	B3	P3
C4	B4	P4

(a)

Time	Number of bytes from the front of each camera image data	Number of bytes to the latest I-frame
t_1	Bt_1	It_1
t_2	Bt_2	It_2
t_3	⋮	⋮
⋮		

(b)

FIG. 14

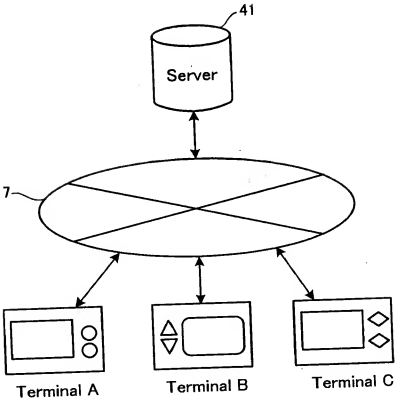


FIG. 15

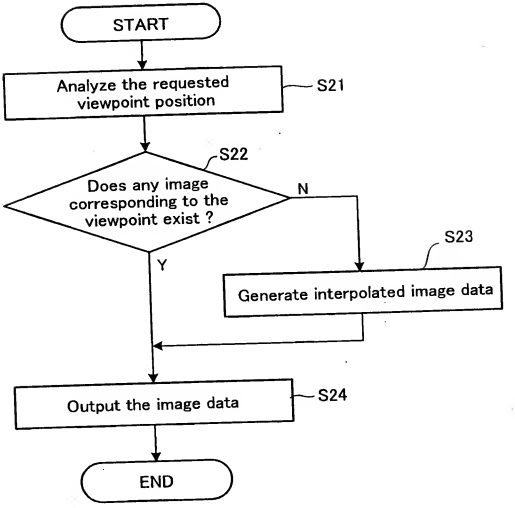
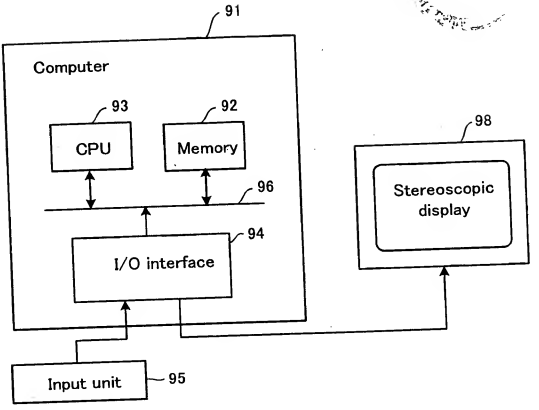

START
Analyze the requested viewpoint position
S21
S22
Does any image corresponding to the viewpoint exist ?
N
Y
S23
Generate interpolated image data
Output the image data
S24
END

FIG. 16


91
Computer
93
CPU
92
Memory
96
94
I/O interface
98
Stereoscopic display
Input unit
95